

FIG. 1

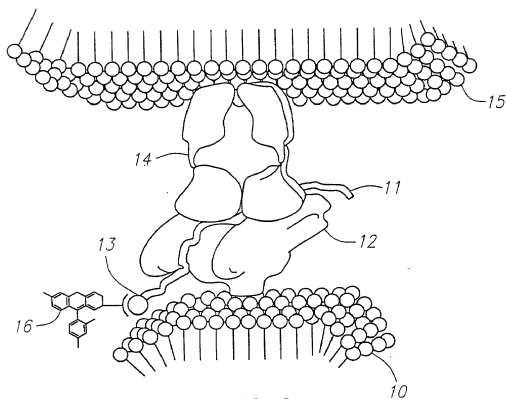


FIG. 2

02/24

7

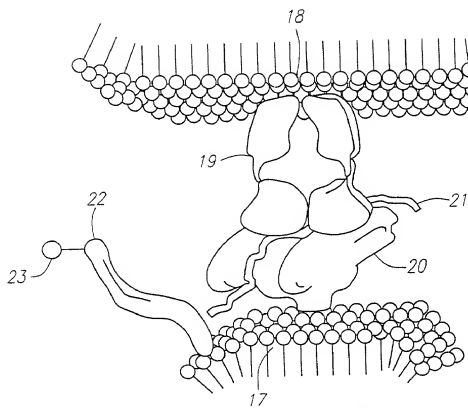


FIG. 3

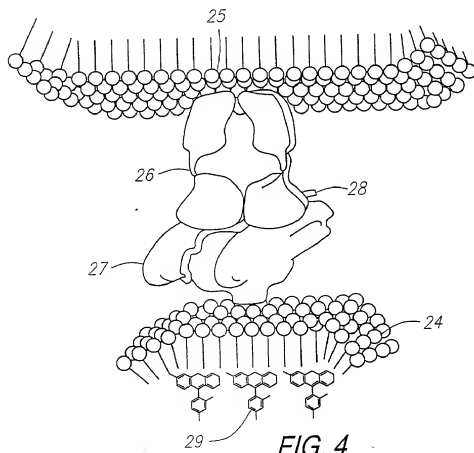


FIG. 4

00755693-010001

L

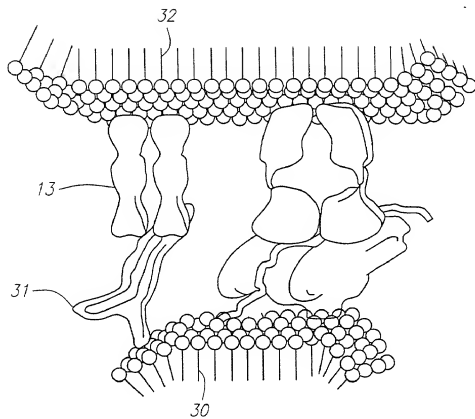


FIG. 5

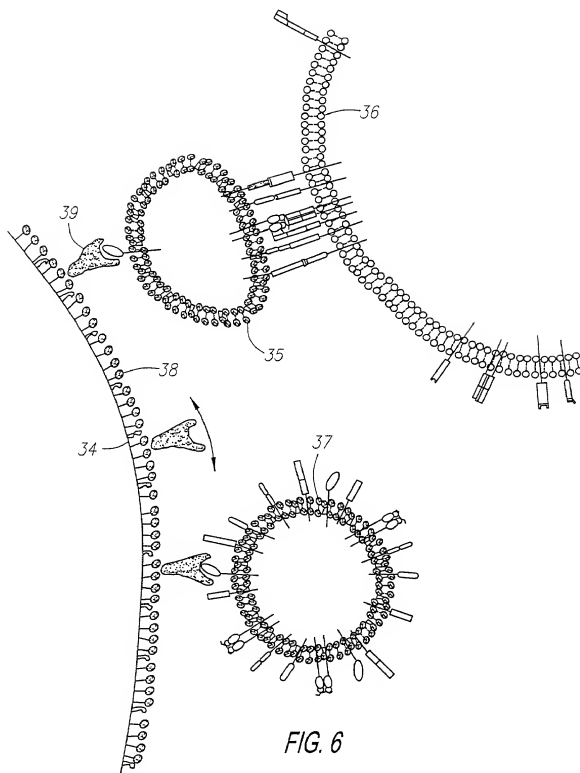


FIG. 6

05/24

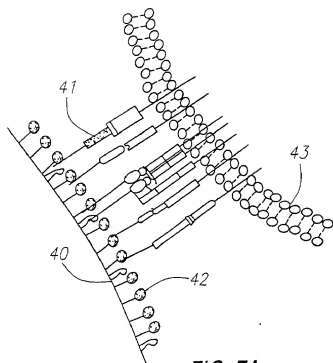


FIG. 7A

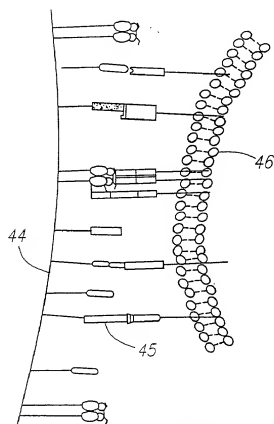


FIG. 7B

106070-28695260

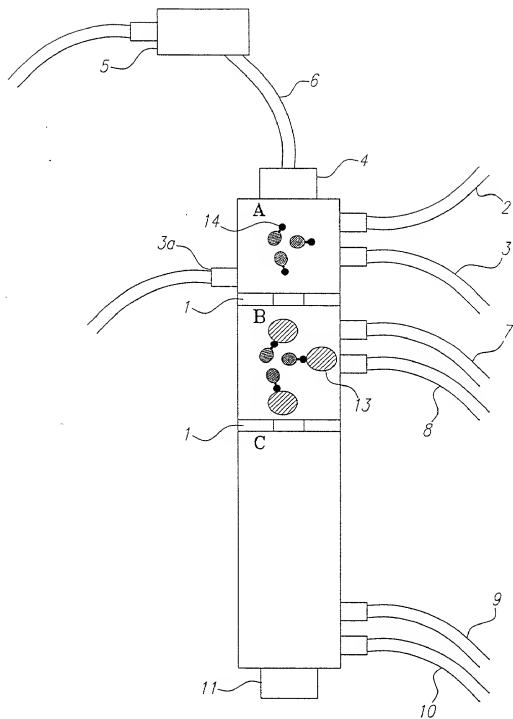
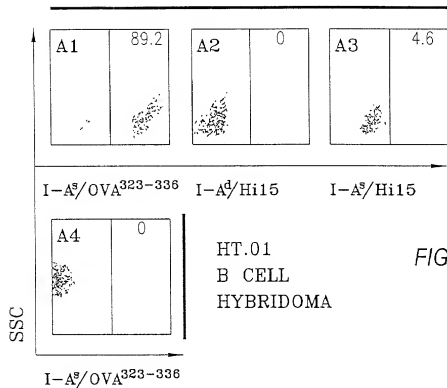


FIG. 8

07/24

AG111.207 T-T HYBRIDOMA
I-A^s/OVA³²³⁻³³⁶ SPECIFIC



HT.01
B CELL
HYBRIDOMA

FIG. 9A

8D051.15 T-T HYBRIDOMA
I-A^d/OVA³²³⁻³³⁶ SPECIFIC

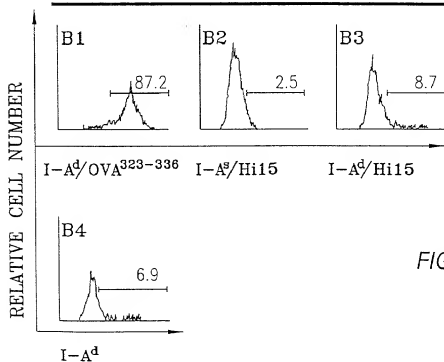


FIG. 9B

08/24
BALB/c FTOC

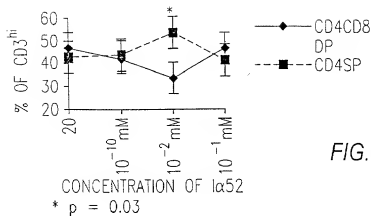


FIG. 10A

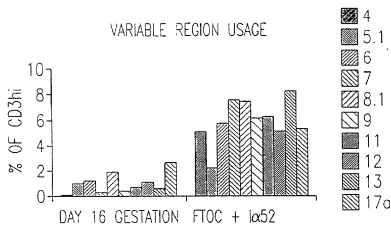


FIG. 10B

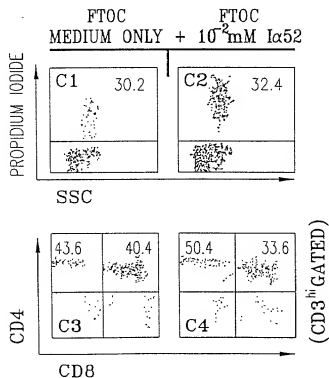


FIG. 10C

09/24

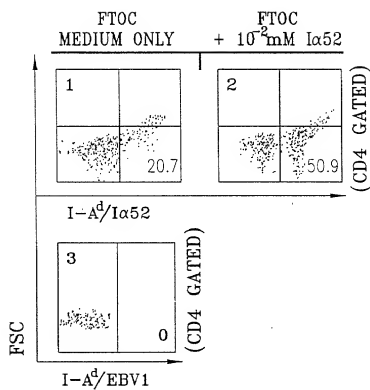


FIG. 11

10/24

I α 52 SUPPLEMENTED FTOC
Hi15 EXPANDED LINE

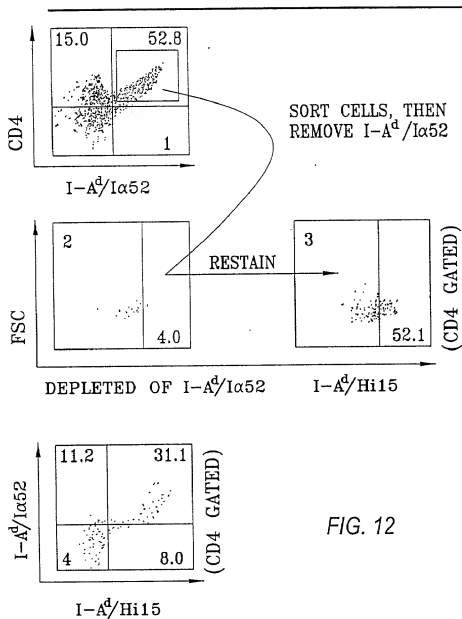


FIG. 12

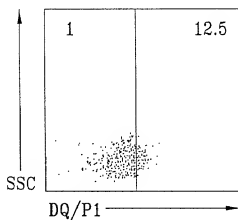


FIG. 13A

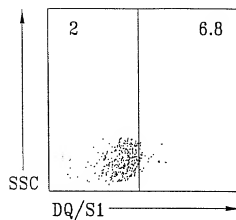


FIG. 13B

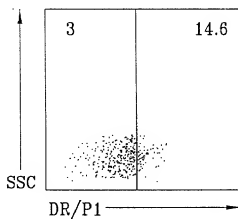


FIG. 13C

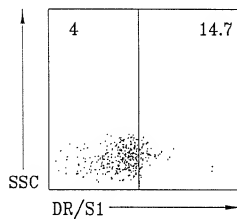


FIG. 13D

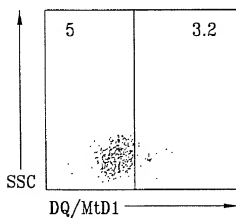


FIG. 13E

12/24

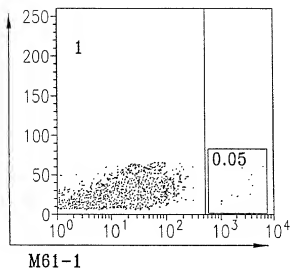


FIG. 14A

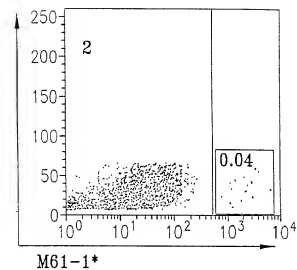


FIG. 14B

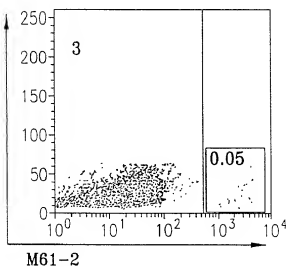


FIG. 14C

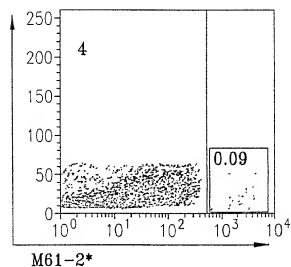


FIG. 14D

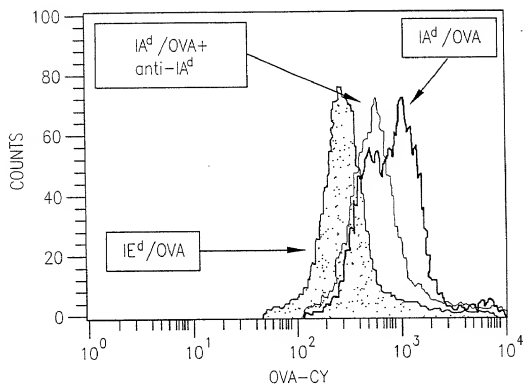


FIG. 15

Fig 16A

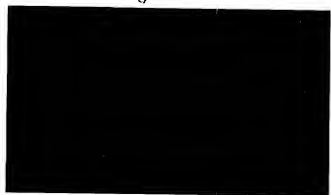


Fig 16B

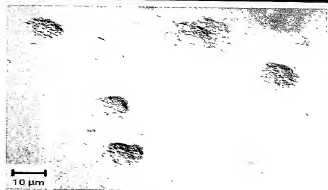


Fig 16C



Fig 16D

09756993-010901

Fig 17A



Fig 17B

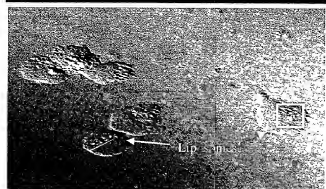


Fig 17C

FIG 17D

Fig 18A



Fig 18B

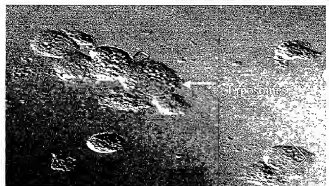


Fig 18C

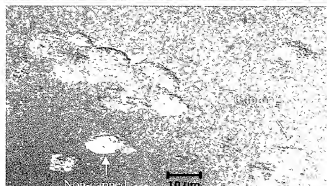
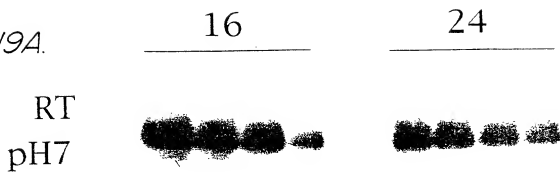


Fig. 18D

09756683-010601

FIG. 19A.



37oC
pH5



FIG. 19B.

200 20 2 0.1x 200 20 2 0.1x

FIG. 19C.

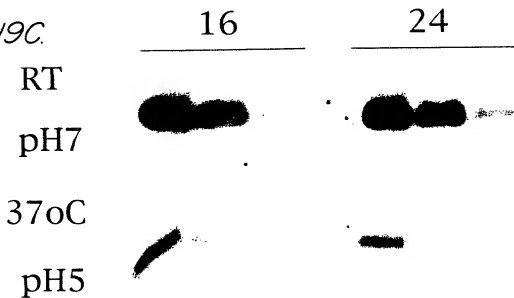


FIG. 19D.

70 10 1x 70 10 1x

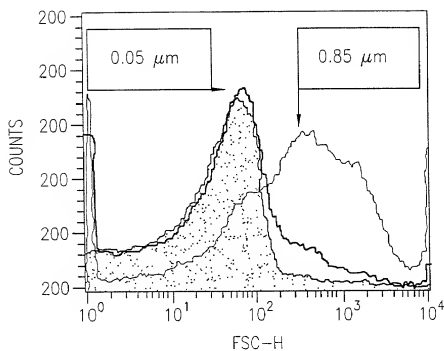


FIG. 20

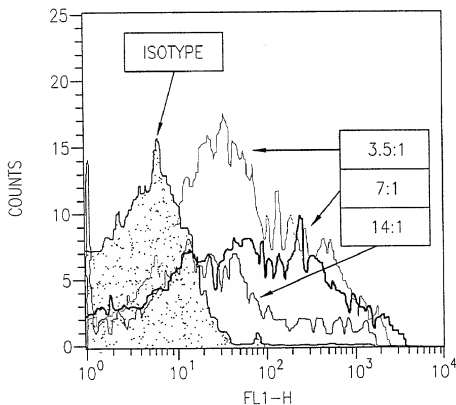


FIG. 21

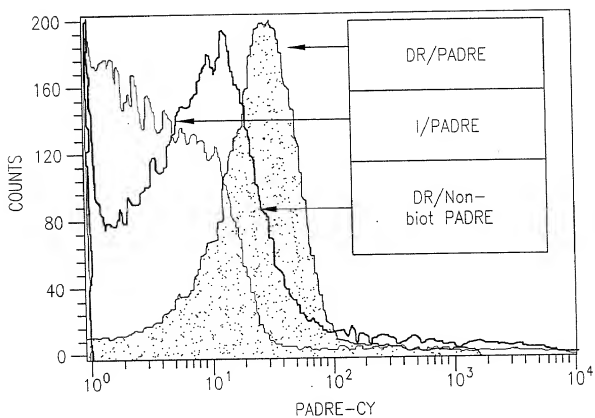


FIG. 22

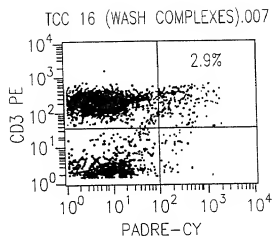


FIG. 23A

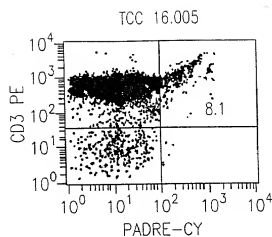


FIG. 23B

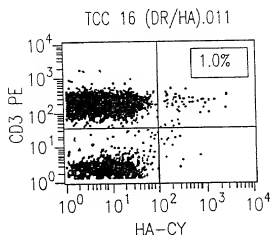


FIG. 23C

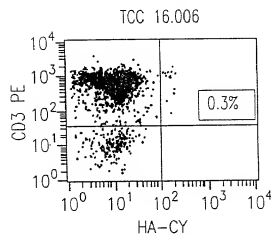


FIG. 23D

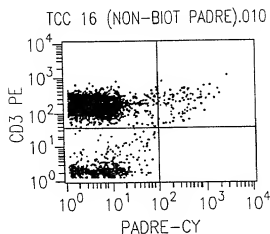


FIG. 23E

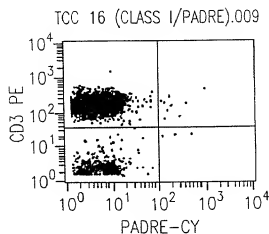


FIG. 23F

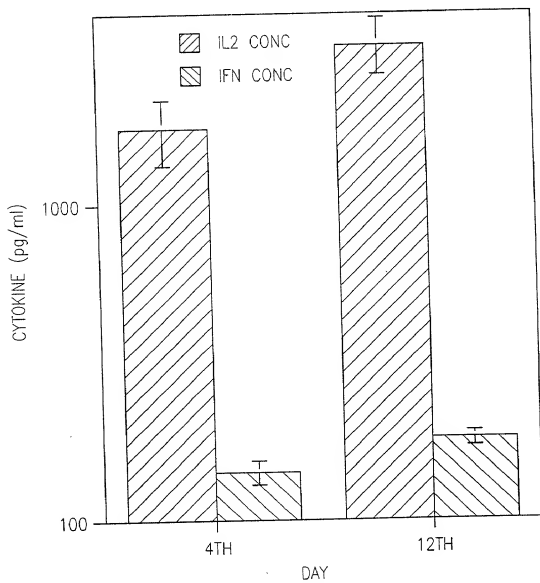
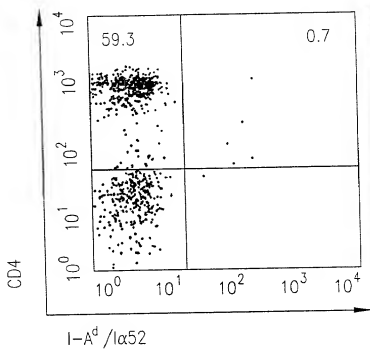
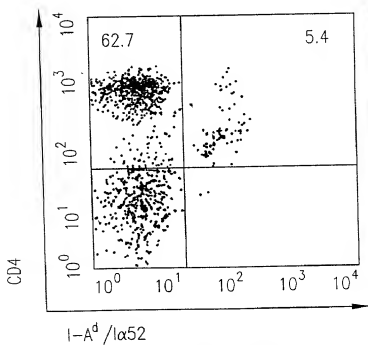


FIG. 24



ADJUTANT IMMUNIZED
BALB/c LYMPH NODE
DERIVED CELLS

FIG. 25A



α52 IMMUNIZED
BALB/c LYMPH NODE
DERIVED CELLS

FIG. 25B

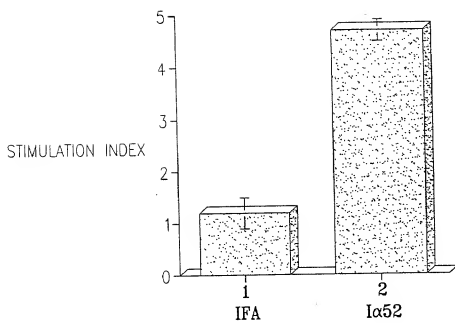


FIG. 26

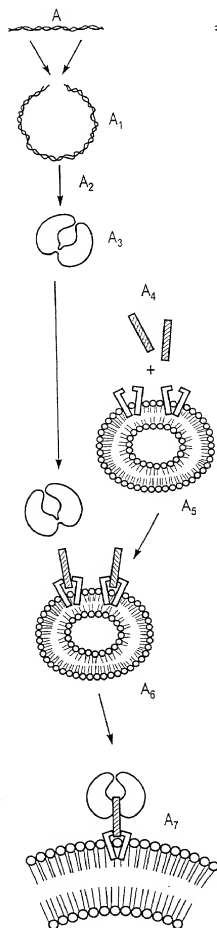


FIG. 27A

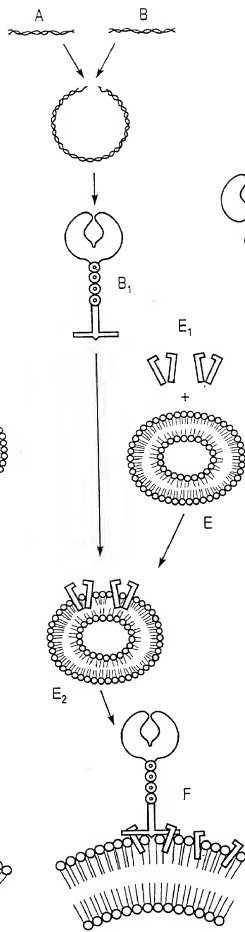


FIG. 27B

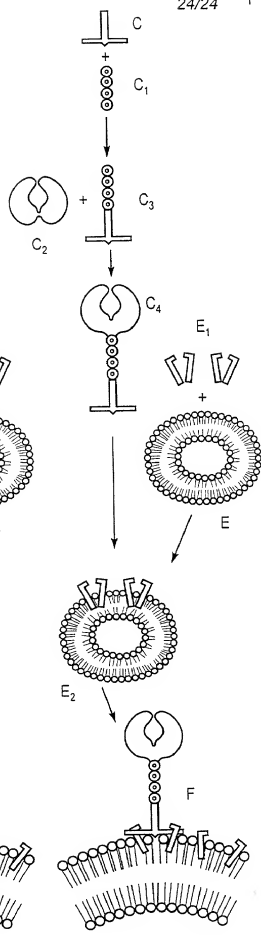


FIG. 27C

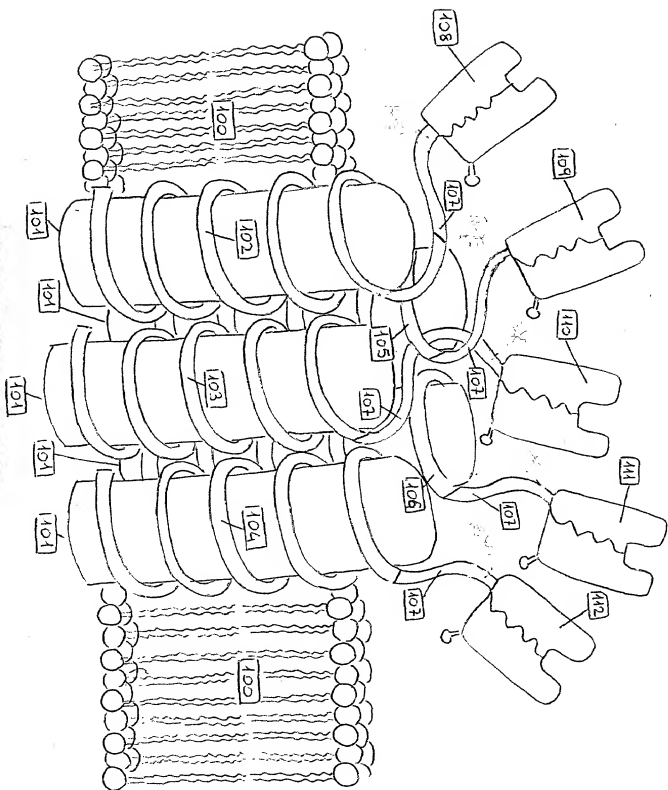


Fig 28

B7.1-CTB construct translation DNA-PROTEIN

M G H T R R Q G T S P S K C P Y L N F F
atg ggc cac aca cgg agg cag gga aca tca cca tcc aag tgt cca tac ctc aat ttc ttt

Q L L V L A G L S H F C S G V I H V T K
cag ctc ttg gtg ctg gct ggt ctt tct cac ttc tgt tca ggt gtt atc cac gtg acc aag

E V K E V A T L S C G H N V S V E E L A
gaa gtg aaa gaa gtg gca acg ctg tcc tgt ggt cac aat gtt tct gtt gaa gag ctg gca

Q T R I Y W Q K E K K M V L T M M S G D
caa act cgc atc tac tgg caa aag gag aag aaa atg gtg ctg act atg atg tct ggg gac

M N I W P E Y K N R T I F D I T N N L S
atg aat ata tgg ccc gag tac aag aac cgg acc atc ttt gat atc act aat aac ctc tcc

I V I L A L R P S D E G T Y E C V V L K
att gtg atc ctg gct ctg cgc cca tct gac gag ggc aca tac gct gtt gtt ctg aag

Y E K D A F K R E H L A E V T L S V K A
tat gaa aaa gac gct ttc aag cgg gaa cac ctg gct gaa gtg acg tta tca gtc aaa gct

D F P T P S I S D F E I P T S N I R R I
gac ttc cct aca cct agt ata tct gac ttt gaa att cca act tct aat att aga agg ata

I C S T S G G F P E P H L S W L E N G E
att tgc tca acc tct gga ggt ttt cca gag cct cac ctc tcc tgg ttg gaa aat gga gaa

E L N A I N T T V S Q D P E T E L Y A V
gaa tta aat gcc atc aac aca aca gtt tcc caa gat cct gaa act gag ctc tat gct gtt

S E F G G S G G S A T P Q N I T D L C
agc gaa ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt

A E Y H N T Q I H T L N D K I F S Y T E
gca gaa tac cac aac aca caa ata cat acg cta aat gat aag ata ttt tcg tat aca gaa

S L A G K R E M A I I T F K N G A T F Q
tct cta gct gga aaa aga gag atg gct atc att act ttt aag aat ggt gca act ttt caa

V E V P G S Q H I D S Q K K A I E R M K
gta gaa gta cca ggt agt caa cat ata gat tca caa aaa aag gcg att gaa agg atg aag

D T L R I A Y L T E A K V E A K L C V W N
gat acc ctg agg att gca tat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat

N K T P H A I A A I S M A N *
aat aaa acg cct cat gcg att gcc gca att agt atg gca aat taa

Fig 29

B7.2-CTB construct translation DNA-PROTEIN

M G L S N I L F V M A F L L S G A A P L
atg gga ctg agt aac att ctc ttt gtg atg gcc ttc ctg ctc tct ggt gct gct cct ctg

K I Q A Y F N E T A D L P C Q F A N S Q
aag att caa gct tat ttc aat gag act gca gac ctg cca tgc caa ttt gca aac tct caa

N Q S L S E L V V F W Q D Q E N L V L N
aac caa agc ctg agt gag cta gta gta ttt tgg cag gac cag gaa aac ttg gtt ctg aat

E V Y L G K E K F D S V H S K Y M G R T
gag gta tac tta ggc aaa gag aaa ttt gac agt gtt cat tcc aag tat atg ggc cgc aca

S F D S D S W T L R L H N L Q I K D K G
agt ttt gat tgc gac agt tgg acc ctg aga ctt cac aat ctt cag atc aag gac aag ggc

L Y Q C I I H H K K P T G M I R I H Q M
ttg tat caa tgt atc atc cat cac aaa aag ccc aca gga atg att cgc atc cac cag atg

N S E L S V L A N F S Q P E I V P I S N
aat tct gaa ctg tca gtg ctt gct aac ttc agt caa cct gaa ata gta cca att tct aat

I T E N V Y I N L T C S S I H G Y P E P
ata aca gaa aat gtg tac ata aat ttg acc tgc tca tct ata cac ggt tac cca gaa cct

K K M S V L L R T K N S T I E Y D G I M
aag aag atg agt gtt ttg cta aga acc aag aat tca act atc gag tat gat ggt att atg

Q K S Q D N V T E L Y D V S I S L S V S
cag aaa tct caa gat aat gtc aca gaa ctg tac gac gtt tcc atc agc ttg tct gtt tca

F P D V T S N M T I F C I L E T D K T R
ttc cct gat gtt acg agc aat atg acc atc ttc tgt att ctg gaa act gac aag acg cgg

L L S S P F S I E L E D P Q P P P D H E
ctt tta tct tca cct tct tct ata gag ctt gag gac cct gat cct ccc cca gac cag gaa

F G G S G G S A T P Q N I T D L C A E
ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt gca gaa

Y H N T Q I H T L N D K I F S Y T E S L
tac cac aac aca caa ata cat acg cta aat gat aag ata ttg tgc tat aca gaa tct cta

A G K R E M A I I T F K N G A T F Q V E
gct gga aaa aga gag atg gct atc att act ttt aag aat ggt gca act ttt caa gta gaa

V P G S Q H I D S Q K K A I E R M K D T
gta cca ggt agt caa cat ata gat tca caa aaa aaa gcg att gaa agg atg aag gat acc

L R I A Y L T E A K V E K L C V W N N K
ctg agg att gca tat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat aat aaa

T P H A I A A I S M A N *
acg cct cat gcg att gcc gca att agt atg gca aat taa

Fig 30

09756983.010001

DRA1-CTB construct translation PROTEIN-DNA

M A I S G V P V L G F F I I A V L M S A
ATG GCC ATA AGT GGA GTC CCT GTG CTA GGA TTT TTC ATC ATA GCT GTG CTG ATG AGC GCT
Q E S W A I K E E H V I I Q A E F Y L N
CAG GAA TCA TGG GCT ATC AAA GAA GAA CAT GTG ATC ATC CAG GCC GAG TTC TAT CTG AAT
P D Q S G E F M F D F D G D E I F H V D
CCT GAC CAA TCA GGC GAG TTT ATG TTT GAC TTT GAT GGT GAT GAG ATT TTC CAT GTG GAT
M A K K E T V W R L E E F G R F A S F E
ATG GCA AAG AAG GAG ACG GTC TGG CGG CTT GAA GAA TTT GGA CGA TTT GCC AGC TTT GAG
A Q G A L A N I A V D K A N L E I M T K
GCT CAA GGT GCA TTG GCC AAC ATA GCT GTG GAC AAA GCC AAC CTG GAA ATC ATG ACA AAG
R S N Y T P I T N V P P E V T V L T N S
CGC TCC AAC TAT ACT CCG ATC ACC AAT GTA CCT CCA GAG GTA ACT GTG CTC ACG AAC AGC
P V E L R E P C N V L I C F I D K A A G T T P P
CCT GTG GAA CTG AGA GAG CCC AAC GTC CTC ATC TGT TTC ATC GAC AAG TTC ACC CCA CCA
V V N V T W L R N G K P V T T G V S E T
GTG GTC AAT GTC ACG TGG CTT CGA AAT GGA AAA CCT GTC ACC ACA GGA GTG TCA GAG ACA
V F T L P R E D H L F R K F H Y L P F L P
GTC TTC CTG CCC AGG GAA GAC CAC CTT TTC CGC AAG TTC CAC TAT CTC CCC TTC CTG CCC
S T E D V Y D C R V E H W G L D E P L L
TCA ACT GAG GAC GTT TAC GAC TGC AGG GTG GAG CAC TGG GGC TTG GAT GAG CCT CTT CTC
K H W E F D A P S P L P E T T E E F G G
AAG CAC TGG GAG TTT GAT GCT CCA AGC CCT CTC CCA GAG ACT ACA GAG GAA TTC GGT GGT
S G G S A Q L E W E L Q A L E K E N A Q
TCC GGT GGT TCC GCG CAG CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA AAC GCG CAG
L E W E L Q A G L E K E L A Q G G G S G G S
CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA CTG GCG CAG GGC GGC TCC GGT GGT AGC
A T P Q N I T D L C A E Y H N T Q I H
GCC ACA CCT CAA AAT ATT ACT GAT TTG TGT GCA GAA TAC CAC AAC ACA CAA ATA CAT
T L N D K I F S Y T E S L A G K R E M A
ACG CTA AAT GAT AAG ATA TTT TCG TAT ACA GAA TCT CTA GCT GGA AAA AGA GAG ATG GCT
I I T F K N G A T F Q V E V P G S Q H I
ATC ATT ACT TTT AAG AAT GGT GCA ACT TTT CAA GTA GAA GTA CCA GGT AGT CAA CAT ATA
D S Q K K A I E R M K D T L R I A Y L T
GAT TCA CAA AAA AAA GCG ATT GAA AGG ATG AAG GAT ACC CTG AGG ATT GCA TAT CTT ACT
E A K V E K A L C V W N N K T P H A I A A
GAA GCT AAA GTC GAA AAG TTA TGT GTA TGG AAT AAT AAA ACG CCT CAT GCG ATT GCC GCA
I S M A N *
ATT AGT ATG GCA AAT TAA

Fig 31

DRB1-biotag construct translation PROTEIN-DNA

1/1 31/11
M V C L K F P G G S C M A A L T V T L M
ATG GTG TGT CTG AAG TTC CCT GGA GGC TCC TGC ATG GCA GCT CTG ACA GTG ACA CTG ATG
61/21 91/31
V L S S P L A L A G D T R P R F L E Q V
GTG CTG AGC TCC CCA CTG GCT TTG GCT GGG GAC ACC CGA CCA CGT TTC TTG GAG CAG GTT
121/41 151/51
K H E C H F F N G T E R V R F L D R Y F
AAA CAT GAG TGT CAT TTC AAC GGG ACG GAG CGG GTG CGG TTC CTG GAC AGA TAC TTC
181/61 211/71
Y H Q E E Y V R F D S D V G E Y R A V T
TAT CAC CAA GAG GAG TAC GTG CGC TTC GAC AGC GAC GTG GGG GAG TAC CGG GCG GTG ACG
241/81 271/91
E L G R P D A E Y W N S Q K D L L E Q K
GAG CTG GGG CGG CCT GAT GCC GAG TAC TGG AAC AGC CAG AAG GAC CTC CTG GAG CAG AAG
301/101 331/111
R A A V D T Y C R H N Y G V G E S F T V
CGG GCC CGG GTG GAC ACC TAC TGC AGA CAC AAC TAC GGG GTT GGT GAG AGC TTC ACA GTG
361/121 391/131
Q R R V Y P E V T V Y P A K T Q P L Q H
CAG CGG CGA GTC TAT CCT GAG GTG ACT GTG TAT CCT GCA AAG ACC CAG CCC CTG CAG CAC
421/141 451/151
H N L L V C S V N G F Y P G S I E V R W
CAC AAC CTC CTG GTC TGC TCT GTG AAT GGT TTC TAT CCA GGC AGC ATT GAA GTC AGG TGG
481/161 511/171
F R N G Q E E K T G V V S T G L I Q N G
TTC CGG AAC GGC CAG GAA GAG AAG ACT GGG GTG GTG TCC ACA GGC CTG ATC CAG AAT GGA
541/181 571/191
D W T F Q T L V M L E T V P R S G E V Y
GAC TGG ACC TTC CAG ACC CTG GTG ATG CTG GAA ACA GTT CCT CGG AGT GGA GAG GTT TAC
601/201 631/211
T C Q V E H P S L T S P L T V E W R A R
ACC TGC CAA GTG GAG CAC CCA AGC CTG ACG AGC CCT CTC ACA GTG GAA TGG AGA GCA CGG
661/221 691/231
S E S A Q S K G G S G G S A Q L K K K L
TCT GAA TCT GCA CAG AGC AAG GGC GGC TCC GGT GGT AGC GCC CAG TAA AAG AAA CTC
721/241 751/251
Q A L K K K N A Q L K Q K L Q A L K K K
CAG GCT CTG AAA AAA AAG AAT GCC CAG CTC AAG CAG AAG CTG CAG GCC CTG AAG AAA AAG
781/261 811/271
L A Q G S G G S A G G G L N D I F E A Q
CTG GCT CAG GGT TCC GGT GGT TCC GCG GGT GGT GGT TTG AAC GAC ATC TTC GAA GCT CAG
841/281
K I E W H * *
AAA ATC GAA TGG CAC TAA TAA

Fig 32

Fig 33

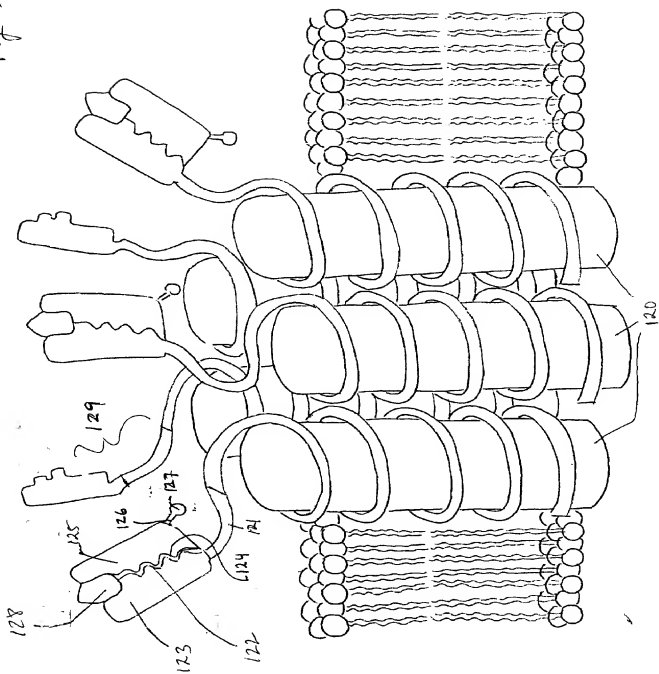
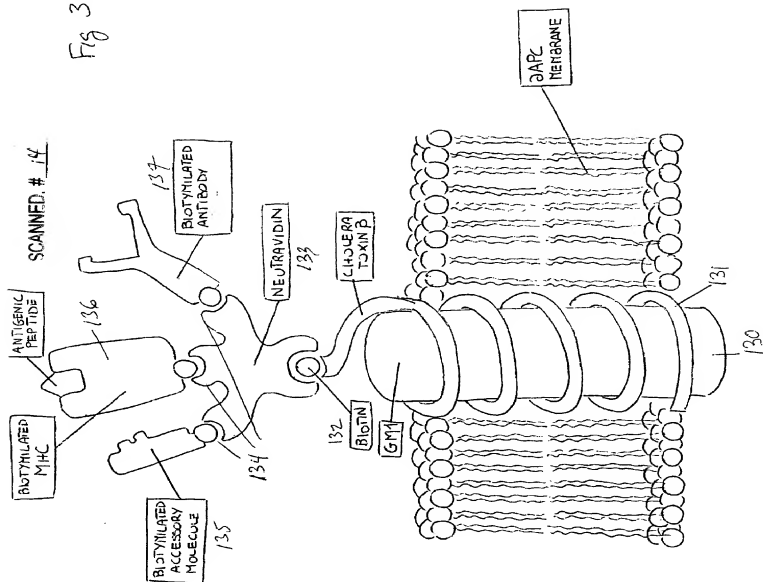
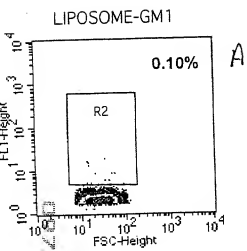
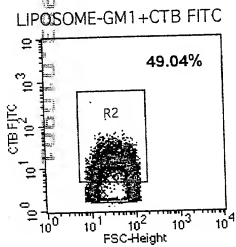


Fig 34





A



B

Fig 35

09756993-010000-28895260

Key	Name	Parameter	Gate	p MOLES CTB FITC	GEO MEAN	%GATED M2
	lip.001	FL1-H	G1	CONTROL-0	2.32	8.1
	lip.002	FL1-H	G1	25pMOLES	2.25	6.1
	lip.003	FL1-H	G1	50 pMOLES	3.17	27.2
	lip.004	FL1-H	G1	100pMOLES	2.78	20.4
	lip.005	FL1-H	G1	200pMOLES	3.07	27.5
	lip.006	FL1-H	G1	400pMOLES	3.52	40.4
	lip.007	FL1-H	G1	800pMOLES	5.59	73.0
	lip.008	FL1-H	G1	2000pMOLES	7.57	82.4
	lip.009	FL1-H	G1	5000pMOLES	20.82	97.1

Fig 36

106010-28695/60

% CD4+ CELLS BINDING

aAPC/CTR FITC

EMPTY LIPOSOME

aAPC+RAFT+DR7/
HAII / antiCD28

LIPOSOME + DR7/
HAII

BINDING OF aAPC/CTR RAFTS TO CD4+

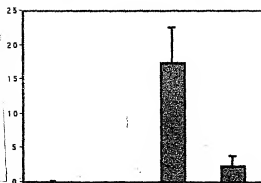


Fig 37

106010.28655260

Fig
38A

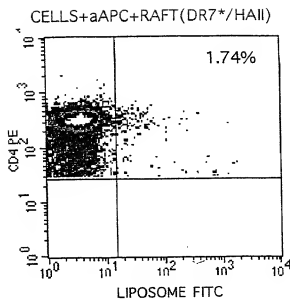
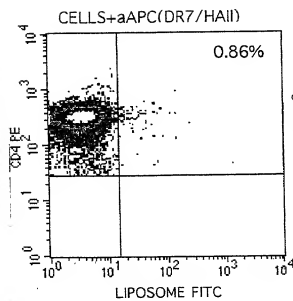


Fig 38B



LIPOSOME FITC

10061010-08695269

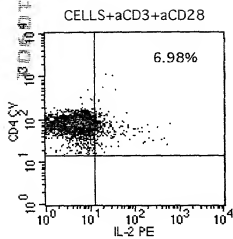


Fig 39
A

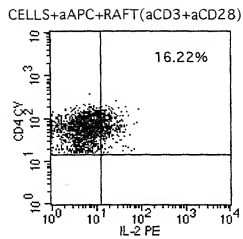


Fig 39
B

CD69 EXPRESSION BY CD4-POSITIVE CELLS

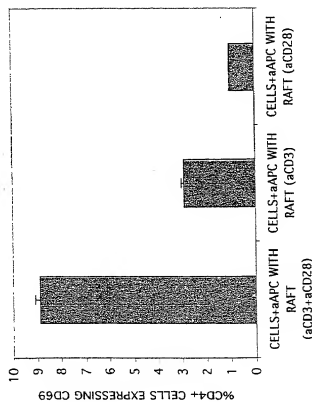


Fig 40

IL-2 PRODUCTION BY CD4-POSITIVE CELLS

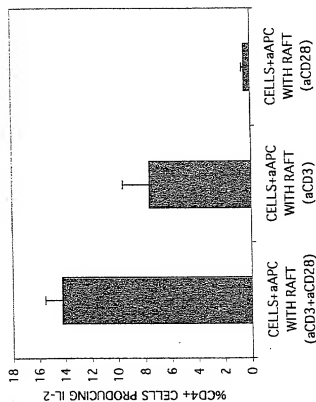


Fig 41

CD69 EXPRESSION BY CD4-POSITIVE CELLS

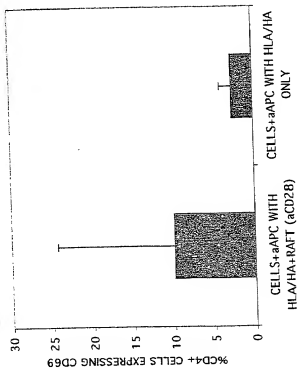


Fig 42

IL-2 PRODUCTION BY CD4-POSITIVE CELLS

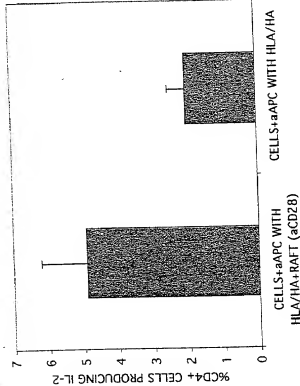


Fig 43